

Title (en)

CONDUCTIVE AGENT FOR BATTERY ELECTRODE, ELECTRODE CONTAINING THE SAME, AND BATTERY

Title (de)

LEITFÄHIGES MITTEL FÜR EINE BATTERIEELEKTRODE, DIESES ENTHALTENDE ELEKTRODE UND BATTERIE

Title (fr)

AGENT CONDUCTEUR POUR ÉLECTRODE DE BATTERIE, ÉLECTRODE LE CONTENANT ET BATTERIE

Publication

EP 2333880 A4 20140312 (EN)

Application

EP 09750565 A 20090519

Priority

- JP 2009059190 W 20090519
- JP 2008134011 A 20080522

Abstract (en)

[origin: EP2333880A1] Disclosed is a highly reliable secondary battery, as well as an electrode and a conductive agent used therefor, which battery has a long cycle life and is also less likely to be damaged or rupture even when the battery temperature becomes abnormally high. The conductive agent of the battery electrode contains, as the main component, a reaction product between a π -conjugated carbon material and a soluble polyimide, preferably a soluble block copolymerized polyimide. The battery electrode is formed by coating a composition containing this conductive agent and an electrode active substance onto a current collector. The battery comprises this electrode.

IPC 8 full level

H01M 4/62 (2006.01); **H01M 4/13** (2010.01); **H01M 4/96** (2006.01); **H01M 10/052** (2010.01)

CPC (source: EP KR US)

H01M 4/0404 (2013.01 - US); **H01M 4/13** (2013.01 - EP KR US); **H01M 4/133** (2013.01 - US); **H01M 4/1393** (2013.01 - US); **H01M 4/622** (2013.01 - US); **H01M 4/624** (2013.01 - KR); **H01M 4/625** (2013.01 - EP KR US); **H01M 10/052** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

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- [X] JP 2008034352 A 20080214 - SANYO ELECTRIC CO & US 2008124631 A1 20080529 - FUKUI ATSUSHI [JP], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

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EP 09750565 A 20090519; CN 200980129402 A 20090519; JP 2008134011 A 20080522; JP 2009059190 W 20090519; KR 20107026586 A 20090519; KR 20167010052 A 20090519; US 201514711495 A 20150513; US 99372909 A 20090519